

Claims

1. A method for grounding a metal tube (2) sheathed with an electrically non-conducting plastic layer (1), which is used in a motor vehicle for transporting liquid or gaseous media, especially fuels, on a metal motor vehicle part, especially the chassis of the motor vehicle, wherein the plastic layer (1) of the metal tube (2) is completely removed at an area of connection (3) and said area of connection (3) is then connected to the motor vehicle part in an electrically conducting fashion, characterized in that a conductive covering section (4) which covers the area of connection (3) on all sides or more than covers the area of connection (3) on all sides is first pushed onto the metal tube (2) and is then pressed onto the metal tube (2) at least at its ends under radial pressure applied along at least part of the circumference without any gaps and the covering section (4) is then connected to the motor vehicle part in an electrically conducting fashion.
2. The method according to claim 1, characterized in that the covering section (4) is constructed as closed in the circumferential direction of the metal tube (2).
3. The method according to any one of claims 1 or 2, characterized in that the covering section (4) consists of a metal crimp sleeve.
4. The method according to claim 3, characterized in that the crimp sleeve (4) consists of aluminum or stainless steel.
5. The method according to any one of claims 2 to 4, characterized in that the crimp sleeve (4) is pressed on mechanically.
6. The method according to any one of claims 1 or 2, characterized in that the covering section (4) consists of a heat-shrinkable sleeve made of electrically conductive plastic.

7. The method according to claim 6, wherein at least one bead (5) which runs around the circumference of the metal tube (2) is produced on said metal tube (2) and wherein the plastic layer (1) covering the bead (5) is removed at least over part of the bead circumference, preferably over the total bead circumference, and wherein the heat-shrinkable sleeve made of electrically conductive plastic is pushed onto the area of connection (3) on the bead (5).

8. The method according to any one of claims 6 or 7, characterized in that the heat-shrinkable sleeve (4) is shrunk onto the metal tube (2) by heat treatment.

9. The method according to any one of claims 6 to 8, characterized in that the heat-shrinkable sleeve (4) is provided with an electrically conductive adhesive coating on the inside.

10. A metal tube (2) sheathed with an electrically non-conducting plastic layer (1) for transporting liquid or gaseous media, especially fuels in a motor vehicle, wherein the plastic layer (1) of the metal tube (2) is completely removed at an area of connection (3) and this area of connection (3) is connected in an electrically conducting fashion to be metal motor vehicle part, especially the chassis of the motor vehicle, characterized in that a conductive covering section (4) which covers the area of connection (3) on all sides or more than covers the area of connection (3) on all sides is first pushed onto the metal tube (2) and is then pressed onto the metal tube (2) at least at its ends under radial pressure applied along at least part of the circumference without any gaps and the covering section (4) is then connected to the motor vehicle part in an electrically conducting fashion.

11. The sheathed metal tube according to claim 10, wherein the covering section is a pressed-on metal crimp sleeve.

12. The sheathed metal tube according to claim 10, wherein the covering section (4) is a shrunk-on heat-shrinkable sleeve made of an electrically conductive plastic.

13. The sheathed metal tube according to claim 10 wherein said tube includes a bead extending radically outwardly at said removed area of said plastic layer and is in contact with said outer covering section.